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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/791,035 03/02/2004 Karthik Jaganathan MSFT-2925/306566.01 1256

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT	PAPER NUMBER
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2132

MAIL DATE	DELIVERY MODE
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11/23/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/791,035

Applicant(s)

JAGANATHAN ET AL.

Examiner

Venkat Perungavoor

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13, 15-18 and 21-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13, 15-18, 21-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 10/17/2007 have been fully considered but they are not persuasive.

The Applicant argues that the Swift reference fails to disclose the negotiation of encryption algorithms. That is, two computers negotiate to change an encryption algorithm.

Swifts discloses the changing of password protocols see Page 3 last sentence bridging onto Page 4. And further discloses that the appropriate keytypes being generated from the password see Page 3 Par. 2. And this keytypes is being used to encrypt a packet, thus by extension changing of password protocol implicitly changes the encryption algorithms(i.e. keytypes being changed). And additionally, Swift mentions encapsulation(no encapsulation) which is associated with the version of protocol see Page 3 Par. 4 " The server..."

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 7-9, 24-26 are rejected under 35 U.S.C. 102(b) as being anticipated by RFC 3244-Microsoft Windows 2000 Kerberos Change Password and Set Password Protocols by Swift et al.(hereinafter Swift).

Regarding Claim 1, Swift discloses the receiving a encryption algorithm request wherein the request specifies an encryption algorithm for subsequent communications between client and server see Page 2 “Request Message” protocol version number; sending a subsession key to the client, wherein the subsession key may be used in conjunction with encryption algorithm to encrypt future messages see Page 3 “ Reply Message” AP-REP data.

Regarding Claim 2, Swift discloses the sending and receiving as part of a authentication protocol see Page 3 Par. 1.

Regarding Claim 7, Swift discloses the deriving of algorithm from key see Page 3 Par. 2 “The newpasswd ...”.

Regarding Claim 8, Swift disclose sending an encryption algorithm request to server indicating that a client computer supports a specified encryption algorithms see Page 4 “KRB5_KPASSWD_BAD_VERSION”; anticipating a subsession key with encryption algorithms see Page 2 “Request Message”; switching to specified algorithm if the subsession key is delivered see Page 3 “AP-REP data” & Page 2 “AP-REQ data”.

Regarding Claim 9, Swift discloses the authenticating a server computer see Page 2 “KRB_PRIV message”.

Regarding Claim 24, Swift discloses the receiving a encryption algorithm request wherein the request specifies an encryption algorithm for subsequent communications between client and server see Page 2 "Request Message" protocol version number and sending and receiving as part of a authentication protocol see Page 3 Par. 1; the switching to specified algorithm if the subsession key is delivered see Page 3 "AP-REP data" & Page 2 "AP-REQ data.

Regarding Claim 25-26, Swift discloses the encrypting of AP-REQ using an algorithm see Page 3 Par. 1.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-6, 10-13, 15-18, 21-23, 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over RFC 3244-Microsoft Windows 2000 Kerberos Change Password and Set Password Protocols by Swift et al. (hereinafter Swift) in view of rpcsec_gss, kadmin service principal, etc by Coffman, Kevin.

Regarding Claim 3, 10, 23, 27, Swift does not disclose the gss interface for authentication protocol. However, Coffman discloses the gss interface for authentication protocol see Page 1 Par. 3 "The kpasswd...". It would be obvious to one having ordinary skill in the art at the time of the invention to include the GSSAPI in the invention of Swift in order to include the protocol in a package or suite akin to RPC.

Regarding Claim 4, 11, Swift discloses the AP-REQ see Page 2- The Protocol Par. 1.

Regarding Claim 5-6, 12-13, 22, Swift discloses the encrypting of AP-REQ using an algorithm see Page 3 Par. 1.

Regarding Claim 15, Swift discloses the receiving a encryption algorithm request wherein the request specifies an encryption algorithm for subsequent communications between client and server see Page 2 "Request Message" protocol version number; the authenticating a server computer see Page 2 "KRB_PRIV message"; client computer supports a specified encryption algorithms see Page 4 "KRB5_KPASSWD_BAD_VERSION". Swift does not disclose the gss interface for authentication protocol. However, Coffman discloses the gss interface for authentication protocol see Page 1 Par. 3 "The kpasswd...". It would be obvious to one having ordinary skill in the art at the time of the invention to include the GSSAPI in the invention of Swift in order to include the protocol in a package or suite akin to RPC.

Regarding Claim 16-17, Swift discloses the deriving of algorithm from key see Page 3 Par. 2 "The newpasswd ...".

Regarding Claim 18, Swift discloses the switching to specified algorithm if the subsession key is delivered see Page 3 "AP-REP data" & Page 2 "AP-REQ data".

Regarding Claim 21, Swift discloses the sending and receiving as part of a authentication protocol see Page 3 Par. 1.

Regarding Claim 28, Swift discloses the flag in a checksum see Page 2 KRB-PRIV.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

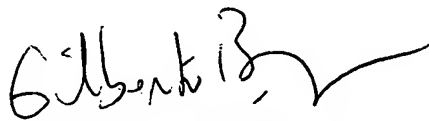
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:
10/791,035
Art Unit: 2132

Page 7

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VP/
Venkat Perungavoor
Examiner
Art Unit 2132
November 20, 2007


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